

Listing of claims:

1 1. (original) A solenoid fuel drain valve comprising a valve body, having a drain
2 hole and an air inlet opening, a solenoid coil and a piston, the drain hole having a
3 drain inlet and a drain outlet, and the piston being arranged within the valve body to
4 be moveable between a closed condition, wherein the drain hole and the air inlet
5 opening are sealed, and an open condition, wherein the drain hole and the air inlet
6 opening are open, movement of the piston being controlled by the solenoid.

1 2. (original) A solenoid fuel drain valve according to claim 1, wherein the
2 valve body defines an interior chamber into which the air inlet opening and the drain
3 hole open.

1 3. (original) A solenoid fuel drain valve according to claim 1, wherein the
2 valve body comprises an air passage connecting the air inlet opening to an air source.

1 4. (original) A solenoid fuel drain valve according to claim 1, wherein the
2 valve body comprises a drain passage connecting the drain inlet to the drain outlet.

1 5. (original) A solenoid fuel drain valve according to any one of the preceding
2 claims, wherein the valve body comprises more than one air inlet opening.

1 6. (original) A solenoid fuel drain valve according to claim 1, wherein the
2 piston comprises a rod and a head.

1 7. (original) A solenoid fuel drain valve according to claim 6, wherein the head
2 is attached to the rod.

1 8. (original) A solenoid fuel drain valve according to claim 6, wherein the head
2 is separate from the rod and moved by means of the rod.

1 9. (original) A solenoid fuel drain valve according to claim 6, wherein the head
2 is adapted to provide a means of sealing at least one of the drain hole and the air inlet
3 opening.

1 10. (original) A solenoid fuel drain valve according to claim 9, wherein the head
2 is adapted to seal both of the drain hole and the air inlet opening.

1 11. (original) A solenoid fuel drain valve according to claim 6, wherein the
2 piston comprises two or more heads, each of which may be independently attached to
3 or separate from the rod.

1 12. (original) A solenoid fuel drain valve according to claim 11, wherein the
2 piston comprises a first head attached to the rod and a second head separate from but
3 moved by the rod.

1 13. (original) A solenoid fuel drain valve according to claim 12, wherein the rod
2 comprises a flange extending therefrom to interact with the second head in use and
3 effect movement of the second head upon movement of the rod.

1 14. (currently amended) A solenoid fuel drain valve according to claim 6,
2 wherein the piston is arranged in the valve body such that [part] at least part of the rod
3 extends through the drain hole.

1 15. (original) A solenoid fuel drain valve according to claim 1, comprising a
2 solenoid armature of magnetisable material attached to the piston.

1 16. (original) A solenoid fuel drain valve according to claim 15, wherein the
2 solenoid armature and the piston are arranged such that energization and de-
3 energization of the solenoid effects movement of the solenoid armature, which in turn
4 causes movement of the piston.

- 1 17. (original) A solenoid fuel drain valve according to claim 15, comprising a
- 2 solenoid stem of magnetisable material.

- 1 18. (original) A solenoid fuel drain valve according to claim 17, wherein the
- 2 solenoid stem is arranged within the valve body such that energization of the solenoid
- 3 coil causes a magnetic field to be induced in the solenoid stem and the solenoid
- 4 armature.

- 1 19. (original) A solenoid fuel drain valve according to claim 1, comprising
- 2 biasing means to bias the piston into either the closed or open position.

- 1 20. (original) A solenoid fuel drain valve according to claim 19, wherein the
- 2 biasing means is one or more spring.

- 1 21. (original) A solenoid fuel drain valve according to claim 19, wherein the
- 2 valve further comprises a retaining surface against which the biasing means acts to
- 3 provide the biasing force.

- 1 22. (new) A solenoid fuel drain valve for a closed fuel system, the solenoid
- 2 drain valve comprising a valve body, having a drain hole and an air inlet opening, a
- 3 solenoid coil and a piston, the drain hole having a drain inlet and a drain outlet, and
- 4 the piston being arranged within the valve body to be moveable between i) a closed
- 5 condition, wherein the drain hole and the air inlet opening are sealed, and ii) an open
- 6 condition, wherein the drain hole and the air inlet opening are open to allow air into
- 7 the system to facilitate draining of fuel from the system, movement of the piston
- 8 being controlled by the solenoid.